

# PROPOSED

Issuance Date

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

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16-xxxE CAB  
File No. 0024-11

Mr. Brian P. Arkle  
General Manager  
Alsco - American Linen Division  
2771 Wai Wai Loop  
Honolulu, Hawaii 96819

Dear Mr. Arkle:

**SUBJECT: Covered Source Permit (CSP) No. 0024-04-C**  
**Minor Modification Application No. 0024-11**  
**Alsco - American Linen Division**  
**Two (2) 400 HP Boilers**  
**Located At: 2771 Wai Wai Loop, Honolulu, Oahu**  
**Date of Expiration: June 12, 2017**

The subject covered source permit is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information that you submitted as part of your minor modification application dated March 28, 2016. This permit shall supersede CSP No. 0024-04-C issued on August 6, 2014, in its entirety.

The covered source permit is issued subject to the conditions/requirements set forth in the following Attachments:

Attachment I: Standard Conditions  
Attachment II: Special Conditions  
Attachment II – INSIG: Special Conditions – Insignificant Activities  
Attachment III: Annual Fee Requirements  
Attachment IV: Annual Emissions Reporting Requirements

The following forms are enclosed for your use and submittal as required:

Compliance Certification Form  
Monitoring Report Form: Opacity Exceedances  
Monitoring Report Form: Fuel Consumption and Fuel Certification  
Monitoring Report Form: Biennial Boiler Tune-Up  
Monitoring Report Form: 5-Year Boiler Tune-Up

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Annual Emissions Report Form - Boilers  
Biennial Compliance Certification Report Form: 400 HP Superior Boiler  
5-Year Compliance Certification Report Form: 400 HP Cleaver Brooks Boiler

The following are enclosed for your use in monitoring visible emissions:

Visible Emissions Form Requirements, State of Hawaii  
Visible Emissions Form

This permit: (a) shall not in any manner affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment; and (c) in no manner implies or suggests that the Department of Health, Clean Air Branch (herein after referred to as Department), or its officers, agents, or employees, assumes any liability, directly or indirectly, for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment.

If you have any questions, please contact Mr. Darin Lum of the Clean Air Branch at (808) 586-4200.

Sincerely,

STUART YAMADA, P.E., CHIEF  
Environmental Management Division

DL:rg

Enclosures

**ATTACHMENT I: STANDARD CONDITIONS  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:**

**Expiration Date: June 12, 2017**

This permit is granted in accordance with the Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control, and is subject to the following standard conditions:

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.  
  
(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be willfully defaced, altered, forged, counterfeited, or falsified.  
  
(Auth.: HAR §11-60.1-6; SIP §11-60-11)<sup>2</sup>
3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department, except as provided in HAR, Section 11-60.1-91.  
  
(Auth.: HAR §11-60.1-7; SIP §11-60-9)<sup>2</sup>
4. A request for transfer from person to person shall be made on forms furnished by the Department.  
  
(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department and the U.S. Environmental Protection Agency (EPA), Region 9.  
  
(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department, and the permit is amended to allow such deviation.  
  
(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)

7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

8. The permittee shall comply with all the terms and conditions of this permit. Any permit noncompliance constitutes a violation of HAR, Chapter 11-60.1 and the Clean Air Act and is grounds for enforcement action; for permit termination, suspension, reopening, or amendment; or for denial of a permit renewal application.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-19, §11-60.1-90)

9. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid.

(Auth.: HAR §11-60.1-90)

10. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the terms and conditions of this permit.

(Auth.: HAR §11-60.1-90)

11. This permit may be terminated, suspended, reopened, or amended for cause pursuant to HAR, Sections, 11-60.1-10 and 11-60.1-98, and Hawaii Revised Statutes (HRS), Chapter 342B-27, after affording the permittee an opportunity for a hearing in accordance with HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-90, §11-60.1-98)

12. The filing of a request by the permittee for the termination, suspension, reopening, or amendment of this permit, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(Auth.: HAR §11-60.1-90)

13. This permit does not convey any property rights of any sort, or any exclusive privilege.

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department and U.S. EPA, Region 9, in writing of the following dates:
- The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
  - The **actual date of construction commencement** within fifteen (15) days after such date; and
  - The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

15. The permittee shall furnish, in a timely manner, any information or records requested in writing by the Department to determine whether cause exists for terminating, suspending, reopening, or amending this permit, or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Department copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health (Director) may require the permittee to furnish such records not only to the Department but also directly to the U.S. EPA, Region 9, along with a claim of confidentiality.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Department in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:
- Identification of the specific equipment to be taken out of service, as well as its location and permit number;
  - The expected length of time that the air pollution control equipment will be out of service;
  - The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
  - Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
  - The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

(Auth.: HAR §11-60.1-15; SIP §11-60-16)<sup>2</sup>

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit,** the permittee shall immediately notify the Department of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:
- Identification of each affected emission point and each emission limit exceeded;
  - Magnitude of each excess emission;
  - Time and duration of each excess emission;
  - Identity of the process or control equipment causing the excess emission;
  - Cause and nature of each excess emission;
  - Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
  - Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
  - A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

The submittal of these notices shall not be a defense to an enforcement action.

(Auth.: HAR §11-60.1-16; SIP §11-60-16)<sup>2</sup>

18. The permittee may request confidential treatment of any records in accordance with HAR, Section 11-60.1-14.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

19. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:

- Within eighteen (18) months after the permit takes effect, is discontinued for a period of eighteen (18) months or more, or is not completed within a reasonable time.
- For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions, of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

20. The Department may extend the time periods specified in Standard Condition No. 19 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

21. The permittee shall submit fees in accordance with HAR, Chapter 11-60.1, Subchapter 6.

(Auth.: HAR §11-60.1-90)

22. All certifications shall be in accordance with HAR, Section 11-60.1-4.

(Auth.: HAR §11-60.1-4, HAR §11-60.1-90)

23. The permittee shall allow the Director, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:

- a. To enter the premises where a source is located or emission-related activity is conducted, or where records must be kept under the conditions of this permit and inspect at reasonable times all facilities, equipment, including monitoring and air pollution control equipment, practices, operations, or records covered under the terms and conditions of this permit and request copies of records or copy records required by this permit; and
- b. To sample or monitor at reasonable times substances or parameters to ensure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.

(Auth.: HAR §11-60.1-11, §11-60.1-90)

24. Within thirty (30) days of **permanent discontinuance of the construction, modification, relocation, or operation of a covered source covered by this permit**, the discontinuance shall be reported in writing to the Department by a responsible official of the source.

(Auth.: HAR §11-60.1-8; SIP §11-60-10)<sup>2</sup>

25. Each permit renewal application shall be submitted to the Department and the U.S. EPA, Region 9, no less than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Director may allow a permit renewal application to be submitted no less than six (6) months prior to the permit expiration date, if the Director determines that there is reasonable justification.

(Auth.: HAR §11-60.1-101, 40 CFR §70.5(a)(1)(iii))<sup>1</sup>

26. The terms and conditions included in this permit, including any provision designed to limit a source's potential to emit, are federally enforceable unless such terms, conditions, or requirements are specifically designated as not federally enforceable.

(Auth.: HAR §11-60.1-93)

27. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, Sections 11-60.1-85 and 11-60.1-86. As specified in HAR, Section 11-60.1-86, the compliance certification shall be submitted to the Department and the U.S. EPA, Region 9, once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

28. **Any document (including reports) required to be submitted by this permit shall be certified as being true, accurate, and complete by a responsible official in accordance with HAR, Sections 11-60.1-1 and 11-60.1-4, and shall be mailed to the following address:**

**Clean Air Branch  
Environmental Management Division  
Hawaii Department of Health  
919 Ala Moana Boulevard, Room 203  
Honolulu, HI 96814**

**Upon request and as required by this permit, all correspondence to the State of Hawaii Department of Health associated with this Covered Source Permit shall have duplicate copies forwarded to:**

**Chief  
Permits Office, (Attention: Air-3)  
Air Division  
U.S. Environmental Protection Agency  
Region 9  
75 Hawthorne Street  
San Francisco, CA 94105**

(Auth.: HAR §11-60.1-4, §11-60.1-90)



29. To determine compliance with submittal deadlines for time-sensitive documents, the postmark date of the document shall be used. If the document was hand-delivered, the date received ("stamped") at the Clean Air Branch shall be used to determine the submittal date.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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<sup>1</sup>The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

<sup>2</sup>The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II: SPECIAL CONDITIONS  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:**

**Expiration Date: June 12, 2017**

In addition to the Standard Conditions of the Covered Source Permit, the following emissions unit(s) is subject to the Special Conditions listed below:

**Section A. Equipment Description**

1. This permit encompasses the following equipment and associated appurtenances:

- a. One (1) 400 HP Cleaver Brooks boiler (model no. CB-400, 16.8 MMBtu/hr, serial no. L-65130); and
- b. One (1) 400 HP Superior boiler equipped with an economizer (model no. 7-5-2000-S150-PF-GA2, 16.8 MMBtu/hr, serial no. 17003).

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on each boiler listed above to show model no., serial no., and manufacturer. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

**Section B. Applicable Federal Regulations**

1. The 400 HP Cleaver Brooks boiler is subject to the provisions of the following federal regulations:

- a. 40 Code Federal Regulations (CFR) Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart A, General Provisions; and
- b. 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, 40 CFR §63.1, §63.11193)<sup>1</sup>

2. The 400 HP Superior boiler is subject to the provisions of the following federal regulations:

- a. 40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS), Subpart A, General Provisions;
- b. 40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS), Subpart Dc, Standards of Performance for Small Industrial – Commercial – Institutional Steam Generating Units;
- c. 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart A, General Provisions; and

- d. 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, 40 CFR §60.1, §60.40c, §63.1, §63.11193)<sup>1</sup>

3. The permittee shall comply with all of the applicable provisions of these standards, including all emission limits, notification, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

**Section C. Operational Limitations**

1. The two (2) 400 HP boilers may not be operated simultaneously at any given time.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

2. The boilers shall be fired on either fuel oil no. 2 with a maximum sulfur content not to exceed 0.05% by weight or synthetic natural gas. The fuel oil sulfur limit shall apply at all times, including periods of startup, shutdown, and malfunction.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, 40 CFR §60.42c)<sup>1</sup>

3. The total combined fuel oil no. 2 usage for the two (2) boilers shall not exceed 670,000 gallons in any rolling twelve-month (12-month) period.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

4. For any six (6) minute averaging period, the boilers shall not exhibit visible emissions of twenty (20) percent opacity or greater, except as follows: during startup, shutdown, or equipment breakdown, the boilers may exhibit visible emissions not greater than sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minute period.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90)

5. The boilers shall be properly maintained and kept in good operating condition at all times.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

6. The permittee shall follow a regular maintenance schedule to ensure proper operation of the boilers as recommended by the manufacturer; or as needed.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

7. Boiler Performance Tune-ups

- a. The permittee shall conduct an initial tune-up of the 400 HP Superior boiler no later than twenty-five (25) months after the initial startup of the boiler, and shall conduct a tune-up of the boiler biennially thereafter to demonstrate continuous compliance. The tune-up must be conducted while burning the type of fuel (or fuels in the case of boilers that routinely burn two (2) types of fuels at the same time) that provide the majority of the heat input to the boiler over the twelve (12) months prior to the tune-up. Each biennial tune-up must be conducted no more than twenty-five (25) months after the previous tune-up. The tune-up shall be conducted as described in Attachment II, Special Condition No. C.7.c.
- b. The permittee shall conduct an initial tune-up of the 400 HP Cleaver Brooks boiler no later than March 21, 2014, and shall conduct a tune-up of the boiler every five (5) years thereafter to demonstrate continuous compliance. The tune-up must be conducted while burning the type of fuel (or fuels in the case of boilers that routinely burn two (2) types of fuels at the same time) that provide the majority of the heat input to the boiler over the twelve (12) months prior to the tune-up. Each five-year (5-year) tune-up must be conducted no more than sixty-one (61) months after the previous tune-up. The tune-up shall be conducted as described in Attachment II, Special Condition No. C.7.c.
- c. The tune-up shall be conducted as follows:
  - i. As applicable, inspect the burner and clean or replace any components of the burner as necessary (the burner inspection may be delayed until the next scheduled boiler shutdown, not to exceed thirty-six (36) months from the previous inspection for the 400 HP Superior boiler, and not to exceed seventy-two (72) months from the previous inspection for the 400 HP Cleaver Brooks boiler);
  - ii. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
  - iii. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the inspection may be delayed until the next scheduled boiler shutdown, not to exceed thirty-six (36) months from the previous inspection for the 400 HP Superior boiler, and not to exceed seventy-two (72) months from the previous inspection for the 400 HP Cleaver Brooks boiler);
  - iv. Optimize total emissions of carbon monoxide (CO). This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the boiler is subject;

- v. Measure the concentrations in the effluent stream of CO in parts per million (ppm) by volume and oxygen in volume percent before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer;
- vi. Maintain a report on-site containing the following information:
  - (1) The concentrations of CO in the effluent stream in ppm by volume and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler;
  - (2) A description of any corrective actions taken as part of the tune-up of the boiler; and
  - (3) The type and amount of fuel used over the twelve (12) months prior to the tune-up of the boiler, but only if the boiler was physically and legally capable of using more than one type of fuel during that period. Boilers sharing a fuel meter may estimate the fuel use by each boiler.
- vii. If the boiler is not operating on the required date for a tune-up, the tune-up must be conducted within thirty (30) days of startup.

(Auth.: HAR §11-60.1-3, §11-60.1-90; 40 CFR §63.11223)<sup>1</sup>

- 8. The 400 HP Cleaver Brooks boiler shall be a limited-use boiler as defined in 40 CFR §63.11237 with an average annual capacity factor of no more than ten (10) percent. The annual capacity is means the ratio between the actual heat input to a boiler from the fuels (liquid and gas) burned during a calendar year and the potential heat input to the boiler had it been operated for 8,760 hours during a year at the maximum steady state design heat input capacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90; 40 CFR §63.11237)<sup>1</sup>

#### **Section D. Monitoring and Recordkeeping Requirements**

- 1. All records, including support information, shall be maintained for at least **five (5) years** from the date of any required monitoring, recordkeeping, testing, or reporting. Support information includes all maintenance, inspection, and repair records and copies of all reports required by this permit. These records shall be true, accurate, and maintained in a permanent form suitable for inspection, and made available to the Department or their representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

2. The permittee shall operate and maintain a non-resetting fuel meter in between the fuel oil no. 2 storage tank and boilers. The fuel meter will permanently measure the total gallons of fuel no. 2 used for the two (2) boilers. Monthly records shall be kept on the beginning fuel meter readings and the total gallons consumed. Monthly operational summaries shall include the total gallons of fuel oil no. 2 consumed that month and the total gallons based on a rolling twelve-month (12-month) basis. The non-resetting fuel meter shall not allow the manual resetting or other manual adjustments of the meter readings. The installation of any new non-resetting fuel meter or the replacement of any existing non-resetting fuel meter shall be designed to accommodate a minimum of five (5) years of equipment operation, considering any operational limitations, before the meter returns to a zero reading.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, 40 CFR §60.48c, §63.11225)<sup>1</sup>

3. Fuel purchase receipts shall be maintained, showing the fuel type, sulfur content for fuel oil no. 2 (percent by weight), date of delivery, and amount (gallons) of fuel delivered to the site for the boilers covered under this permit. Fuel sulfur content compliance may be demonstrated by providing a fuel supplier certification for the type of fuel purchased and received. The fuel supplier certification shall include the following information:
  - a. The name of the fuel oil supplier;
  - b. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR §60.41c; and
  - c. The sulfur content or maximum sulfur content of the fuel oil.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, 40 CFR §60.42c, §60.48c)<sup>1</sup>

4. The permittee shall maintain records on inspections, maintenance, and any repair work conducted on the boilers. At a minimum, these records shall include: the date of the inspection; inspectors name/title; a short description of the action and/or any such repair work; and a description of the part(s) inspected or repaired.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

5. Visible Emissions (VE)

The permittee shall conduct **monthly** (calendar month) VE observations for each boiler by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9, or U.S. EPA approved equivalent methods, or alternate methods with prior written approval from the Department. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the **Visible Emissions Form Requirements**.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90)

6. Operating Load

The operating load (MMBtu/hr) of each boiler shall be monitored and recorded on a daily basis.

(Auth.: HAR §11-60.1-3, §11-60.1-90; 40 CFR §63.11201)<sup>1</sup>

7. The permittee shall maintain records required by 40 CFR Part 63, Subpart JJJJJJ, for the boilers as specified in 40 CFR §63.11225(c) and (d) including the following:

- a. The permittee shall keep a copy of each notification and report submitted for compliance with 40 CFR Part 63, Subpart JJJJJJ, and all documentation supporting any Initial Notification of Applicability or Notification of Compliance Status submitted;
- b. Records identifying each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned;
- c. For the 400 HP Superior boiler, records of monthly fuel use by the boiler, including the type(s) of fuel and amount(s) used;
- d. For the 400 HP Cleaver Brooks boiler, a copy of the federally enforceable permit (CSP No. 0024-04-C) that limits the annual capacity factor to less than or equal to ten (10) percent and records of fuel use (type and quantity) for the days the boiler is operating;
- e. Records of the occurrence and duration of each malfunction of the boiler or of the associated air pollution control and monitoring equipment;
- f. Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR §63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation; and
- g. Records must be in a form suitable and readily available for expeditious review. Each record must be kept for five (5) years following the date of each recorded action. Each record must be kept on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least two (2) years after the date of each recorded action. Records may be kept off-site for the remaining three (3) years.

(Auth.: HAR §11-60.1-3, §11-60.1-90; 40 CFR §63.11225)<sup>1</sup>

**Section E. Notification and Reporting Requirements**

1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 17 and 24, respectively:

- a. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and*

- b. *Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.*

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90)

2. The permittee shall report **within five (5) working days** any deviations from permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventative measures taken. Corrective actions may include a requirement for more frequent monitoring, or could trigger implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. Monitoring Reports

The permittee shall submit **semi-annually** the following written reports to the Department for monitoring purposes. The report shall be submitted **within sixty (60) days** after the end of each semi-annual calendar period (January 1 to June 30 and July 1 to December 31), shall be signed and dated by a responsible official and shall include the following:

- a. The total combined fuel consumption (gallons) of fuel oil no. 2 for the two (2) boilers on a monthly and rolling twelve-month (12-month) basis, and the maximum sulfur content (percent by weight) of the fuel. Also, a certified statement that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

The enclosed **Monitoring Report Form: Fuel Consumption and Fuel Certification**, shall be used for reporting.

- b. Any opacity exceedances as determined by the required VE monitoring. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there are no exceedances, the permittee shall submit in writing a statement indicating that for each equipment there were no exceedances for that semi-annual period.

The enclosed **Monitoring Report Form: Opacity Exceedances** shall be used.

- c. Any deviations from permit requirements shall be clearly identified.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, 40 CFR §60.48c, §63.11223)<sup>1</sup>



4. Tune-up Reports

The permittee shall submit within **sixty (60) days** after each tune-up, the attached **Monitoring Report Form: Biennial Boiler Tune-up** or **Monitoring Report Form: 5-Year Boiler Tune-up** as applicable, to the Department.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, 40 CFR §63.11223)<sup>1</sup>

5. Compliance Certification Form

During the permit term, the permittee shall submit at least **annually** to the Department and U.S. EPA, Region 9, the attached **Compliance Certification Form** pursuant to HAR §11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act;
- f. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedances as defined in 40 CFR 64 occurred; and
- g. Any additional information as required by the Department including information to determine compliance.

The compliance certification shall be submitted **within sixty (60) days** after the end of each calendar year, and shall be signed and dated by a responsible official.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

6. Notifications

- a. The permittee shall submit the following notifications for the 400 HP Cleaver Brooks boiler to the Department and U.S. EPA, Region 9, in accordance with 40 CFR §63.11225(a):

- i. An Initial Notification of Applicability no later than January 20, 2014;
- ii. A Notification of Compliance Status no later than July 19, 2014. In addition to the information required by 40 CFR §63.9(h)(2), except for the information listed in §63.9(h)(2)(i)(B), (D), (E), and (F), the notification must include the following certifications of compliance that is signed by a responsible official:
  - (1) "This facility complies with the requirements of 40 CFR §63.11214 to conduct an initial tune-up of the boiler."
  - (2) "No secondary materials that are solid waste were combusted in the affected unit."

The permittee shall submit notification to the U.S. EPA, Region 9, electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the U.S. EPA, Region 9, at:

**Director  
Air Division  
U.S. Environmental Protection Agency  
Region 9  
75 Hawthorne Street  
San Francisco, CA 94105**

- b. The permittee shall submit the following notifications for the 400 HP Superior boiler to the Department and U.S. EPA, Region 9, in accordance with 40 CFR §63.11225(a):
  - i. An Initial Notification of Applicability within **one hundred twenty (120) days** after initial startup of the boiler;
  - ii. A Notification of Compliance Status within **one hundred twenty (120) days** after initial startup of the boiler. In addition to the information required by 40 CFR §63.9(h)(2), except for the information listed in §63.9(h)(2)(i)(B), (D), (E), and (F), the notification must include the following certifications of compliance that is signed by a responsible official:
    - (1) "This facility complies with the requirements of 40 CFR §63.11214 to conduct an initial tune-up of the boiler."
    - (2) "No secondary materials that are solid waste were combusted in the affected unit."

The permittee shall submit notification to the U.S. EPA, Region 9, electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the U.S. EPA, Region 9, at:

Director  
Air Division  
U.S. Environmental Protection Agency  
Region 9  
75 Hawthorne Street  
San Francisco, CA 94105

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-90; 40 CFR §63.11214, §63.11223, §63.11225)<sup>1</sup>

7. Biennial Compliance Certification Report

Beginning in 2015 and every biennial year thereafter, the permittee shall prepare by March 1, the attached **Biennial Compliance Certification Report Form: 400 HP Superior Boiler**, for the previous calendar year for the 400 HP Superior boiler in accordance with 40 CFR §63.11225(b). The **Biennial Compliance Certification Report Form: 400 HP Superior Boiler** shall be submitted to the Department and U.S. EPA, Region 9, by March 15 of each biennial reporting year.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-90; 40 CFR §63.11225)<sup>1</sup>

8. 5-Year Compliance Certification Report

Beginning in 2020 and every five (5) years thereafter, the permittee shall prepare by March 1, the attached **5-Year Compliance Certification Report Form: 400 HP Cleaver Brooks Boiler**, for the previous calendar year for the 400 HP Cleaver Brooks boiler in accordance with 40 CFR §63.11225(b). The **5-Year Compliance Certification Report Form: 400 HP Cleaver Brooks Boiler** shall be submitted to the Department and U.S. EPA, Region 9, by March 15 of each five-year (5-year) reporting year.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-90; 40 CFR §63.11225)<sup>1</sup>

9. The permittee shall notify the Department and U.S. EPA, Region 9, within **thirty (30) days** of switching fuels or making a physical change to a boiler that results in the applicability of a different subcategory within 40 CFR Part 60, Subpart JJJJJJ, or in the boiler switching out of Subpart JJJJJJ, due to a switch to firing only synthetic natural gas. The notification shall include the following:

- a. The permittee's name and permit number, the location of the affected source, the boiler(s) that have switched fuels or were physically changed, and the date of the notice; and
- b. The date the permittee switched fuels or made the physical change.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-90; 40 CFR §63.11225)<sup>1</sup>

#### 10. Annual Emissions

As required by **Attachment IV: Annual Emissions Reporting Requirements** and in conjunction with the requirements of **Attachment III: Annual Fee Requirements**, the permittee shall report **annually** the total tons/year emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. The enclosed **Annual Emissions Report Form: Boilers**, shall be used. Upon the written request of the permittee, the deadline for reporting of annual emissions may be extended, if the Department determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### **Section F. Agency Notification**

Any document (including reports) required to be submitted by this covered source permit shall be done in accordance with Attachment I, Standard Condition No. 28

(Auth.: HAR §11-60.1-4, §11-60.1-90)

<sup>1</sup>The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

<sup>2</sup>The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II - INSIG  
SPECIAL CONDITIONS - INSIGNIFICANT ACTIVITIES  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:**

**Expiration Date: June 12, 2017**

In addition to the Standard Conditions of the Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

**Section A. Equipment Description**

This attachment encompasses insignificant activities listed in HAR, §11-60.1-82(f) and (g) for which provisions of this permit and HAR, Subchapter 2, General Prohibitions, apply.

(Auth.: HAR §11-60.1-3)

**Section B. Operational Limitations**

1. The permittee shall take measures to operate applicable insignificant activities in accordance with the provisions of HAR, Subchapter 2 for visible emissions, fugitive dust, incineration, process industries, sulfur oxides from fuel combustion, storage of volatile organic compounds, volatile organic compound water separation, pump and compressor requirements, and waste gas disposal.

(Auth.: HAR §11-60.1-3, §11-60.1-82, §11-60.1-90)

2. The Department may at any time require the permittee to further abate emissions if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-82, §11-60.1-90)

**Section C. Monitoring and Recordkeeping Requirements**

1. The Department reserves the right to require monitoring, recordkeeping, or testing of any insignificant activity to determine compliance with the applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. All records shall be maintained for at least five (5) years from the date of any required monitoring, recordkeeping, testing, or reporting. These records shall be true, accurate, and maintained in a permanent form suitable for inspection and made available to the Department or its authorized representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

#### **Section D. Notification and Reporting**

##### Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department and U.S. EPA, Region 9, the attached *Compliance Certification Form* pursuant to HAR §11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The compliance status;
3. Whether compliance was continuous or intermittent;
4. The methods used for determining the compliance status of the source currently and over the reporting period;
5. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act;
6. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedances as defined in 40 CFR 64 occurred; and
7. Any additional information as required by the Department including information to determine compliance.

The compliance certification shall be submitted **within sixty (60) days** after the end of each calendar year, and shall be signed and dated by a responsible official.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department determines that reasonable justification exists for the extension.

In lieu of addressing each emission unit as specified in the *Compliance Certification Form*, the permittee may address insignificant activities as a single unit provided compliance is met with all applicable requirements. If compliance is not totally attained, the permittee shall identify the specific insignificant activity and provide the details associated with the noncompliance.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

#### **Section E. Agency Notification**

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:**

**Expiration Date: June 12, 2017**

The following requirements for the submittal of annual fees are established pursuant to Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control. Should HAR, Chapter 60.1, be revised such that the following requirements are in conflict with the provisions of HAR, Chapter 60.1, the permittee shall comply with the provisions of HAR, Chapter 60.1:

1. Annual fees shall be paid in full:
  - a. Within **sixty (60) days** after the end of each calendar year; and
  - b. Within **thirty (30) days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and be submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

**Clean Air Branch  
Environmental Management Division  
Hawaii Department of Health  
919 Ala Moana Boulevard, Room 203  
Honolulu, HI 96814**

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:**

**Expiration Date: June 12, 2017**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

1. Complete the attached form(s):

Annual Emissions Report Form: Boilers

2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

**Clean Air Branch  
Environmental Management Division  
Hawaii Department of Health  
919 Ala Moana Boulevard, Room 203  
Honolulu, HI 96814**

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health upon request.
4. Any information submitted to the Department of Health without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information, including information concerning secret processes or methods of manufacture, by submitting a written request to the Director and clearly identifying the specific information that is to be accorded confidential treatment.



**COMPLIANCE CERTIFICATION FORM  
COVERED SOURCE PERMIT NO. 0024-04-C  
PAGE 1 OF \_\_\_\_**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** June 12, 2017

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following certification at least annually or more frequently as requested by the Department:

(Make Copies of the Compliance Certification Form for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company/Facility Name: \_\_\_\_\_

Responsible Official (Print): \_\_\_\_\_

Title: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

**COMPLIANCE CERTIFICATION FORM  
COVERED SOURCE PERMIT NO. 0024-04-C  
(CONTINUED, PAGE 2 OF \_\_\_\_)**

**Issuance Date:**

**Expiration Date: June 12, 2017**

The purpose of this form is to evaluate whether or not the facility was in compliance with the permit terms and conditions during the covered period. If there were any deviations to the permit terms and conditions during the covered period, the deviation(s) shall be certified as *intermittent compliance* for the particular permit term(s) or condition(s). Deviations include failure to monitor, record, report, or collect the minimum data required by the permit to show compliance. In the absence of any deviation, the particular permit term(s) or condition(s) may be certified as *continuous compliance*.

**Instructions:**

Please certify Sections A, B, and C below for continuous or intermittent compliance. Sections A and B are to be certified as a group of permit conditions. Section C shall be certified individually for each operational and emissions limit condition as listed in the Special Conditions section of the permit (list all applicable equipment for each condition). Any deviations shall also be listed individually and described in Section D. The facility may substitute its own generated form in verbatim for Sections C and D.

**A. Attachment I, Standard Conditions**

<u>Permit term/condition</u>	<u>Equipment</u>	<u>Compliance</u>
All standard conditions	All Equipment listed in the permit	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

**B. Special Conditions - Monitoring, Recordkeeping, Reporting, Testing, and INSIG**

<u>Permit term/condition</u>	<u>Equipment</u>	<u>Compliance</u>
All monitoring conditions	All Equipment listed in the permit	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u>	<u>Equipment</u>	<u>Compliance</u>
All recordkeeping conditions	All Equipment listed in the permit	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u>	<u>Equipment</u>	<u>Compliance</u>
All reporting conditions	All Equipment listed in the permit	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u>	<u>Equipment</u>	<u>Compliance</u>
All testing conditions	All Equipment listed in the permit	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u>	<u>Equipment</u>	<u>Compliance</u>
All INSIG conditions	All Equipment listed in the permit	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

**COMPLIANCE CERTIFICATION FORM  
COVERED SOURCE PERMIT NO. 0024-04-C  
(CONTINUED, PAGE \_\_\_\_ OF \_\_\_\_)**

**Issuance Date:**

**Expiration Date: June 12, 2017**

**C. Special Conditions - Operational and Emissions Limitations**

Each permit term/condition shall be identified in chronological order using attachment and section numbers (e.g., Attachment II, B.1, Attachment IIA, Special Condition No. B.1.f, etc.). Each equipment shall be identified using the description stated in Section A of the Special Conditions (e.g., unit no., model no., serial no., etc.). Check all methods (as required by permit) used to determine the compliance status of the respective permit term/condition.

<u>Permit term/condition</u>	<u>Equipment</u>	<u>Method</u>	<u>Compliance</u>
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

**(Make Additional Copies if Needed)**

**COMPLIANCE CERTIFICATION FORM  
COVERED SOURCE PERMIT NO. 0024-04-C  
(CONTINUED, PAGE \_\_\_\_ OF \_\_\_\_)**

**Issuance Date:****Expiration Date: June 12, 2017****D. Deviations**

<u>Permit Term/ Condition</u>	<u>Equipment / Brief Summary of Deviation*</u>	<u>Deviation Period time (am/pm) &amp; date (mo/day/yr)</u>	<u>Date of Written Deviation Report to DOH (mo/day/yr)</u>
		Beginning:  Ending:	
		Beginning:  Ending:	
		Beginning:  Ending:	
		Beginning:  Ending:	
		Beginning:  Ending:	
		Beginning:  Ending:	
		Beginning:  Ending:	

\*Identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR 64 occurred.

**(Make Additional Copies if Needed)**

**PROPOSED**

**MONITORING REPORT FORM  
OPACITY EXCEEDANCES  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:**

**Expiration Date: June 12, 2017**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information **semi-annually**:

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company/Facility Name: \_\_\_\_\_

Facility Name: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (Print):\_\_\_\_\_

Title: \_\_\_\_\_

Responsible Official (Signature):\_\_\_\_\_

**Visible Emissions:**

Report the following on the lines provided below: all date(s) and six (6) minute average opacity reading(s) which the opacity limit was exceeded during the monthly observations; or if there were no exceedances during the monthly observations, then write "no exceedances" in the comment column.

[illegible]

**MONITORING REPORT FORM  
FUEL CONSUMPTION AND FUEL CERTIFICATION  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:****Expiration Date:** June 12, 2017

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information **semi-annually:**

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Equipment Location: \_\_\_\_\_

Equipment Description: \_\_\_\_\_

Serial/ID No: \_\_\_\_\_

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): \_\_\_\_\_

Title: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

**1. Total Combined Fuel Oil No. 2 Consumption - Two (2) Boilers**

MONTH	MONTHLY TOTAL (GALLONS)	ROLLING 12-MONTH TOTAL (GALLONS)	FUEL METER READINGS
JANUARY			
FEBRUARY			
MARCH			
APRIL			
MAY			
JUNE			
JULY			
AUGUST			
SEPTEMBER			
OCTOBER			
NOVEMBER			
DECEMBER			

2. Maximum sulfur content by weight of fuel oil no.2: \_\_\_\_\_

3. Dates and duration that two (2) boilers operated simultaneously: \_\_\_\_\_

4. I certify that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period: Yes \_\_\_\_ No \_\_\_\_

**MONITORING REPORT FORM  
BIENNIAL BOILER TUNE-UP  
COVERED SOURCE PERMIT NO. 0024-04-C  
(PAGE 1 OF 2)**

**Issuance Date:**

**Expiration Date:** June 12, 2017

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information within sixty (60) days after each boiler tune-up:

**(Make Copies for Additional Use)**

For Reporting Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (print): \_\_\_\_\_

Title: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Responsible Official (signature): \_\_\_\_\_

Date(s) of boiler tuneup: \_\_\_\_\_

1. Report in the following table, CO concentrations in the effluent stream in ppm, by volume, and oxygen in volume percent, measured before and after each boiler tune-up:

400 HP Superior Boiler Before Tune-up	
CO Concentration (ppm by volume)	Oxygen (Volume Percent)
400 HP Superior Boiler After Tune-up	
CO Concentration (ppm by volume)	Oxygen (Volume Percent)

**MONITORING REPORT FORM  
BIENNIAL BOILER TUNE-UP  
COVERED SOURCE PERMIT NO. 0024-04-C  
(PAGE 2 OF 2)**

**Issuance Date:****Expiration Date:** June 12, 2017

2. Report in the following table, the fuel fired by the boiler over the twelve months (12-months) prior to the biennial tune-up:

Boiler No.	Fuel Type	Maximum Weight % Sulfur Content	Total Amount of Fuel Used Prior to Biennial Tune-up (gallons)
400 HP Superior Boiler			

3. Report in the following table, corrective actions taken as part of the boiler tune-up for the reporting period:

Boiler No.	Corrective Action Description
400 HP Superior Boiler	



**MONITORING REPORT FORM  
5-YEAR BOILER TUNE-UP  
COVERED SOURCE PERMIT NO. 0024-04-C  
(PAGE 1 OF 2)**

**Issuance Date:**

**Expiration Date:** June 12, 2017

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information within sixty (60) days after each boiler tune-up:

**(Make Copies for Additional Use)**

For Reporting Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (print): \_\_\_\_\_

Title: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Responsible Official (signature): \_\_\_\_\_

Date(s) of boiler tuneup: \_\_\_\_\_

1. Report in the following table, CO concentrations in the effluent stream in ppm, by volume, and oxygen in volume percent, measured before and after each boiler tune-up:

400 HP Cleaver Brooks Boiler Before Tune-up	
CO Concentration (ppm by volume)	Oxygen (Volume Percent)
400 HP Cleaver Brooks Boiler After Tune-up	
CO Concentration (ppm by volume)	Oxygen (Volume Percent)

**MONITORING REPORT FORM  
5-YEAR BOILER TUNE-UP  
COVERED SOURCE PERMIT NO. 0024-04-C  
(PAGE 2 OF 2)**

**Issuance Date:****Expiration Date:** June 12, 2017

2. Report in the following table, the fuel fired by the boiler over the twelve months (12-months) prior to the five year (5-year) tune-up:

Boiler No.	Fuel Type	Maximum Weight % Sulfur Content	Total Amount of Fuel Used Prior to 5-year Tune-up (gallons)
400 HP Cleaver Brooks Boiler			

3. Report in the following table, corrective actions taken as part of the boiler tune-up for the reporting period:

Boiler No.	Corrective Action Description
400 HP Cleaver Brooks Boiler	

**ANNUAL EMISSIONS REPORT FORM  
BOILERS  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:****Expiration Date:** June 12, 2017

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information annually:

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Equipment Location: \_\_\_\_\_

Equipment Description: \_\_\_\_\_

Serial/ID No: \_\_\_\_\_

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): \_\_\_\_\_

Title: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

<b>Fuel Fired</b>	<b>400 HP Superior Boiler Fuel Consumption (ft<sup>3</sup>/year for SNG, gallons/year for diesel no. 2)</b>	<b>400 HP Cleaver Brooks Boiler Fuel Consumption (ft<sup>3</sup>/year for SNG, gallons/year for diesel no. 2)</b>
SNG		
Diesel No. 2		

Average Annual Capacity Factor for the 400 HP Cleaver Brooks Boiler (based on SNG and Diesel No. 2 usage for the past calendar year): \_\_\_\_\_

**BIENNIAL COMPLIANCE CERTIFICATION REPORT FORM  
400 HP SUPERIOR BOILER  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:**

**Expiration Date:** June 12, 2017

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health and U.S. EPA, Region 9, the following information annually:

**(Make Copies for Additional Use)**

For Reporting Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company Name and Address: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (print): \_\_\_\_\_

Title: \_\_\_\_\_

Phone Number: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Responsible Official (signature): \_\_\_\_\_

1. Provide in the table below, information on whether or not the boiler complies with all relevant standards and other requirements of 40 CFR Part 63, Subpart JJJJJJ:

Boiler No.	Does Boiler Comply with 40 CFR Part 63, Subpart JJJJJJ?		Date of Most Recent Boiler Tune-up
	Yes	No	
400 HP Superior Boiler			

2. "This facility complies with the requirements of 40 CFR §63.11223 to conduct a biennial tune-up of the boiler."  
Yes \_\_\_\_ No \_\_\_\_
3. "No secondary materials that are solid waste were combusted in any affected unit."  
Yes \_\_\_\_ No \_\_\_\_

**5-YEAR COMPLIANCE CERTIFICATION REPORT FORM  
400 HP CLEAVER BROOKS BOILER  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:**

**Expiration Date:** June 12, 2017

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health and U.S. EPA, Region 9, the following information every five (5) years:

**(Make Copies for Additional Use)**

For Reporting Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company Name and Address: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (print): \_\_\_\_\_

Title: \_\_\_\_\_

Phone Number: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Responsible Official (signature): \_\_\_\_\_

1. Provide in the table below, information on whether or not the boiler complies with all relevant standards and other requirements of 40 CFR Part 63, Subpart JJJJJJ:

Boiler No.	Does Boiler Comply with 40 CFR Part 63, Subpart JJJJJJ?		Date of Most Recent Boiler Tune-up
	Yes	No	
400 HP Cleaver Brooks Boiler			

2. "This facility complies with the requirements of 40 CFR §63.11223 to conduct a 5-year tune-up of the boiler."  
Yes \_\_\_\_ No \_\_\_\_
3. "No secondary materials that are solid waste were combusted in any affected unit."  
Yes \_\_\_\_ No \_\_\_\_

**VISIBLE EMISSIONS FORM REQUIREMENTS  
STATE OF HAWAII  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:**

**Expiration Date:** June 12, 2017

The **Visible Emissions (VE) Form** shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with 40 CFR Part 60, Appendix A, Method 9. At least **annually** (*calendar year*), VE observation shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The VE Form shall be completed as follows:

1. VE observations shall take place during the day only. The opacity shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a one hundred forty (140) degree sector to your back. Provide a source layout sketch on the VE Form using the symbols as shown.
3. For VE observations of stacks, stand at least three (3) stack heights but not more than a quarter mile from the stack.
4. For VE observations of fugitive emissions from crushing and screening plants, stand at least 4.57 meters (15 feet) from the visible emissions source, but not more than a quarter mile from the visible emission source.
5. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
6. The six (6) minute average opacity reading shall be calculated for each observation.
7. If possible, the observations shall be performed as follows:
  - a. Read from where the line of sight is at right angles to the wind direction.
  - b. The line of sight shall not include more than one (1) plume at a time.
  - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
  - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
  - e. The equipment shall be operating at the maximum permitted capacity.
8. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed VE Forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health, or their representative upon request.

Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective equipment's VE monitoring requirements for the month the performance test is performed.

**PROPOSED**

**VISIBLE EMISSIONS FORM  
COVERED SOURCE PERMIT NO. 0024-04-C**

**Issuance Date:**

**Expiration Date: June 12, 2017**

(Make Copies for Future Use for Each Stack or Emission Point)

Company Name: \_\_\_\_\_

For stacks, describe equipment and fuel: \_\_\_\_\_

For fugitive emissions from crushers and screens, describe:

Fugitive emission point: \_\_\_\_\_

Plant Production (tons/hr): \_\_\_\_\_

(During observation)

**Site Conditions:**

Emission point or stack height above ground (ft): \_\_\_\_\_

Emission point or stack distance from observer (ft): \_\_\_\_\_

Emission color (black or white): \_\_\_\_\_

Sky conditions (% cloud cover): \_\_\_\_\_

Wind speed (mph): \_\_\_\_\_

Temperature (EF): \_\_\_\_\_

Observer Name: \_\_\_\_\_

Certified? (Yes/No): \_\_\_\_\_

Observation Date and Start Time: \_\_\_\_\_

Stack **X**  
Sun   
Wind 

Draw North Arrow

**X** Emission Point

Observer Position

140

Sun Location Line

MINUTES	Seconds				COMMENTS
	0	15	30	45	
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

Observation Date and Start Time: \_\_\_\_\_

MINUTES	Seconds				COMMENTS
	0	15	30	45	
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					